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Substitute For Form 1449A/PTO (Modified 5-19-2000) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Complete if Known	
	Application No	09/710,718
	Filing Date	November 10, 2000
	First Named Inventor	Cecilia Gabriela Galarza et al.
	Group Art Unit	2631
	Examiner Name	Unassigned
Sheet 1 of 9	Attorney Docket Number	001340.P077

U.S. PATENT DOCUMENTS				
Examiner Initials*	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication Cited Document MM-DD-YYYY	Filing date if Appropriate
<i>MT</i>	6,195,594	Shah et al.	February 27, 2001	June 30, 1999
<i>MT</i>	5,880,959	Shah et al.	March 9, 1999	November 25, 1997
<i>MT</i>	6,230,062	Shah	May 8, 2001	June 30, 1999

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation? Yes/No
	Office or Country	Number	Date			

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)			
Examiner Initials*		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), publisher, city and/or country where published (if title of the item known). (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s).	Translation? Yes/No
		LENNART LJUNG, IEEE Transactions on Automatic Control, Vol. AC-23, No. 5, October 1978, "Convergence Analysis of Parametric Identification Methods", pp 770-783.	No
		SERGIO VERDU, Cambridge University Press, "Multisensor Detection", 1990, pp 1-26, 56-66, 134-175, 384-387.	No
		GUANGHAN XU et al., IEEE Transactions on Signal Processing, Vol. 43, No. 12, December 1995, "A Least Squares Approach to Blind Channel Identification", pp 2982-2993.	No
		ALEXANDRA DUEL-HALLEN et al., IEEE Transactions on Communications, Vol. 37, No. 5, May 1989, "Delayed Decision-Feedback Sequence Estimation", pp 428-436.	No
Examiner 	Date Considered		

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Examiner Signature	<i>[Signature]</i>	Date Considered	3/17/05
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		Filing Date	November 10, 2000
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mj	K. GIRIDHAR et al., IEEE Transactions on Communications, Vol. 45, No. 4, April 1997, "Nonlinear Techniques for the Joint Estimation of Cochannel Signals", pp 473-484.	No
mj	LANG TONG et al., IEEE Transactions on Signal Processing, Vol. 47, No. 9, September 1999, "Joint Order Detection and Blind Channel Estimation by Least Squares Smoothing", pp 2345-2355	No
mj	ERIC MOULINES et al., IEEE Transactions on Signal Processing, Vol. 43, No. 2, February 1995, "Subspace Methods for the Blind Identification of Multichannel FIR Filters", pp 516-525.	No
mj	ALEXANDRA DUEL-HALLEN et al., IEEE Personal Communications, April 1995, "Multiuser Detection for CDMA Systems", pp 46-58.	No
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Substitute For Form 1449A/PTO
(Modified 5-19-2000)

NOV 19 2004

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application No	09/710,718
Filing Date	November 10, 2000
First Named Inventor	Cecilia Gabriela Galarza et al.
Group Art Unit	2631
Examiner Name	Unassigned
Attorney Docket Number	001340.P077

Sheet 3 of 9

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MTJ	UPAMANYU MADHOW et al., IEEE Transactions on Communications, Vol. 42, No. 12, December 1994, "MMSE Interference Suppression for Direct-Sequence Spread-Spectrum CDMA" pp 3178-3188	No
	G. RICHARD JOHNSON, JR. et al., Proceedings of the IEEE, Vol. 86, No. 10, October 1998, "Blind Equalization Using the Constant Modulus Criterion: A Review", pp 1927-1950	No
MTJ	P. CIBLAT et al., "Asymptotic Analysis of Blind Cyclic Correlation Based Symbol Rate Estimation", September 2000	No
	DR. DENNIS J. RAUSCHMAYER, Macmillan Technology Series, "ADSL VDSL Principles", 1999, pp 131-155.	No

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Substitute For Form 1449A/PTO-01 (Modified 5-19-2000) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application No	09/710,718
		Filing Date	November 10, 2000
		First Named Inventor	Cecilia Gabriela Galarza et al.
		Group Art Unit	2631
		Examiner Name	Unassigned
Sheet 4 of 9	Attorney Docket Number	001340.P077	

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my	LENNART LJUNG, Prentice-Hall Information and System Sciences Series, "System Identification, Theory for the User", 1987, pp 141-163, 239-263.	No
	YAAKOV BAR-SHALOM et al., Artech House, Inc., "Estimation and Tracking: Principles, Techniques, and Software", 1999, pp 459-485.	No
	International Telecommunication Union, ITU-T Telecommunication Standardization Sector of ITU, G.810, "Definitions and Terminology for Synchronization Networks", August 1996, pp 1-20	No
my	ADSL Forum Technical Report TR-024 for Network Management Working Group, "DMT Line Code Specific MIB", June 1999, pp 1-7	No
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Substitute For Form 1449A/PTO (Modified 5-19-2000) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known Application No 09/710,718 Filing Date November 10, 2000 First Named Inventor Cecilia Gabriela Galarza et al. Group Art Unit 2631 Examiner Name Unassigned Attorney Docket Number 001340.P077	
Sheet 5 of 9			

U.S. PATENT DOCUMENTS

Examiner Initials*	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication Cited Document MM-DD-YYYY	Filing date if Appropriate

FOREIGN PATENT DOCUMENTS

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MT	J. CIOFFI, EEE379A, "Digital Communication: Signal Processing Class notes, Stanford University, pp 167-174, 194-197.	No
	ARTHUR GELB et al., The Analytic Sciences Corporation, "Applied Optimal Estimation", 1974, pp 156-170.	No
	SIMON HAYKIN, Prentice Hall Information and System Sciences Series, "Adaptive Filter Theory", Third Edition, 1996, pp 772-815.	No
	IAN R. PETERSEN et al., Control Engineering, "Robust Kalman Filtering for Signal and Systems with Large Uncertainties", 1999, pp 65-55.	No

Examiner <i>M. J.</i>	Date Considered 3/17/05
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Examiner Signature <i>M. J.</i>	Date Considered 3/17/05
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Substitute For Form 1449A/PTO (Modified 5-19-2000) NOV 19 2000 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
Application No		09/710,718	
Filing Date		November 10, 2000	
First Named Inventor		Cecilia Gabriela Galarza et al.	
Group Art Unit		2631	
Examiner Name		Unassigned	
Attorney Docket Number		001340.P077	

U.S. PATENT DOCUMENTS				
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	STEPHEN BOYD et al., "Convex Optimization", Course Reader for EE364: Introduction to Convex Optimization with Engineering Applications, Stanford University, Winter Quarter 1996-1997, pp 1-146.	No
MTJ	AMIT MATHUR, Dissertation from Electrical and Computer Engineering, University of California, Santa Barbara, "Algorithms for Cochannel Source Separation and Signal Estimation", December 1996, pp 4-66.	No 2-XIV 139-142
	EDWARD A. LEE et al., Kluwer Academic Publishers, "Digital Communication", Second Edition, 1994, pp 408-424, 468-488.	No
	THOMAS STARR et al., Prentice Hall, Communication Engineering and Emerging Technologies, "Understanding Digital Subscriber Line Technology", 1999, pp 297-354.	

Examiner	Date Considered

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Examiner Signature	Date
<i>M. J. Jones</i>	3/17/05

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Substitute For Form 149 (Rev. 10/19/99) (Modified 5-19-2000)		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application No	09/710,718
NOV 19 2000		Filing Date	November 10, 2000
FIRST & TRADEMARK OFFICE		First Named Inventor	Cecilia Gabriela Galarza et al.
Sheet 7 of 9		Group Art Unit	2631
		Examiner Name	Unassigned
		Attorney Docket Number	001340.P077

U.S. PATENT DOCUMENTS

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my	D. GODARD, IEEE Transaction Communications, Vol. COM-28, No. 11, November 1980, "Self-Recovering Equalization and Carrier Tracking In Two-Dimensional Data Communication Systems, pp 1867-1875.	No
	LENNART LJUNG, PTR Prentice Hall Information and System Sciences Series, "System Identification, Theory for the User", Second Edition, 1980, pp 70-139, 197-279, 317-360.	No
	PAUL A. CASAS et al., Broadcasting & Cable, "Current Approaches to Blind Decision Feedback Equalization", August 1989, pp 1-52.	No
	JOHN G. PROAKIS, McGraw Hill Series in Electrical and Computer Engineering, "Digital Communications, Third Edition, 1996, pp 267-286.	No

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Substitute For Form 1449A/PTO 091 (Modified 5-19-2000)		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application No	09/710,610
		Filing Date	November 10, 2000
		First Named Inventor	Tom Pare et al.
		Group Art Unit	2121
		Examiner Name	Unassigned
Sheet 8 of 9		Attorney Docket Number	001340.P078

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mt	CRAIG MICHAEL TEUSCHER, Dissertation submitted as requirement for the degree of Dr. of Philosophy in Engineering-Electrical Engineering and Computer Sciences, "Low Power Receiver Design for Portable RF Applications: Design and Implementation of an Adaptive Multiuser Detector for an Indoor, Wideband CDMA Application, Fall 1998, pp 37, 43-52	No
mt	CLAES TIDESTAV et al., Signals and Systems, Uppsala University, "Realizable MIMO Decision Feedback Equalizers", International Conference on Acoustics, Speech, and Signal Processing (ICASSP99) March 1999, Phoenix, AZ, V.5, pp 2591-2594.	No

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		Filing Date	November 10, 2000
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	K. SAM SHANMUGAN et al., John Wiley & Sons, "Random Signals, Detection, Estimation and Data Analysis", 1988, pp 341-377.	No
	HARRY L. VAN TREES, Massachusetts Institute of Technology, "Detection, Estimation, and Modulation Theory", 1968, pp 10-163, 230-418.	

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